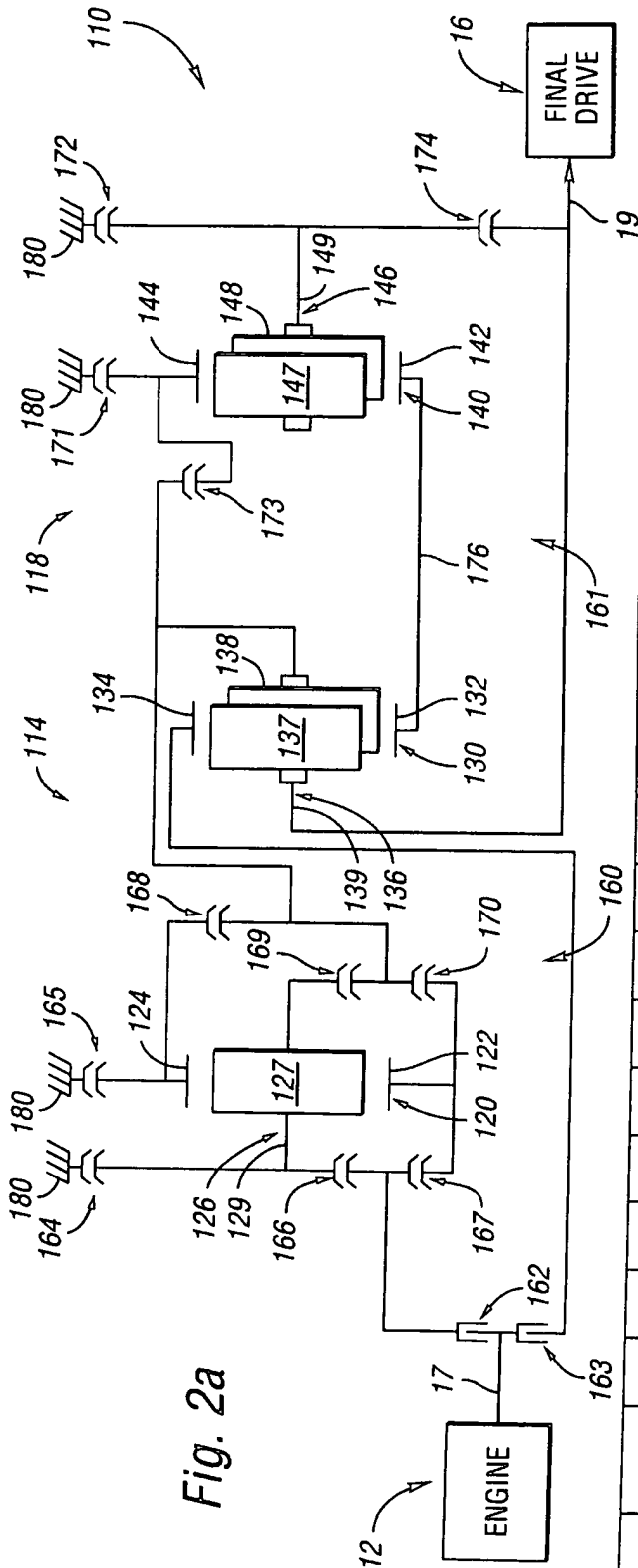
[illegible]

(X = ENGAGED CLUTCH)

Fig. 1b



**Fig. 2a**

	RATIOS	162	163	164	165	166	167	168	169	170	171	172	173	174
REVERSE	-1.51	X		X			X	X						
NEUTRAL														
1	2.51	X			X		X		X					
2	1.35		X											
3	1	X		X			X			X		X	X	
4	0.62		X							X		X		
5	0.40	X			X	X				X				
6	0.27		X								X			X

(X = ENGAGED CLUTCH)

Fig. 2b

RATIO SPREAD	9.27
RATIO STEPS	
REV/1	-0.60
1/2	1.85
2/3	1.35
3/4	1.60
4/5	1.57
5/6	1.47

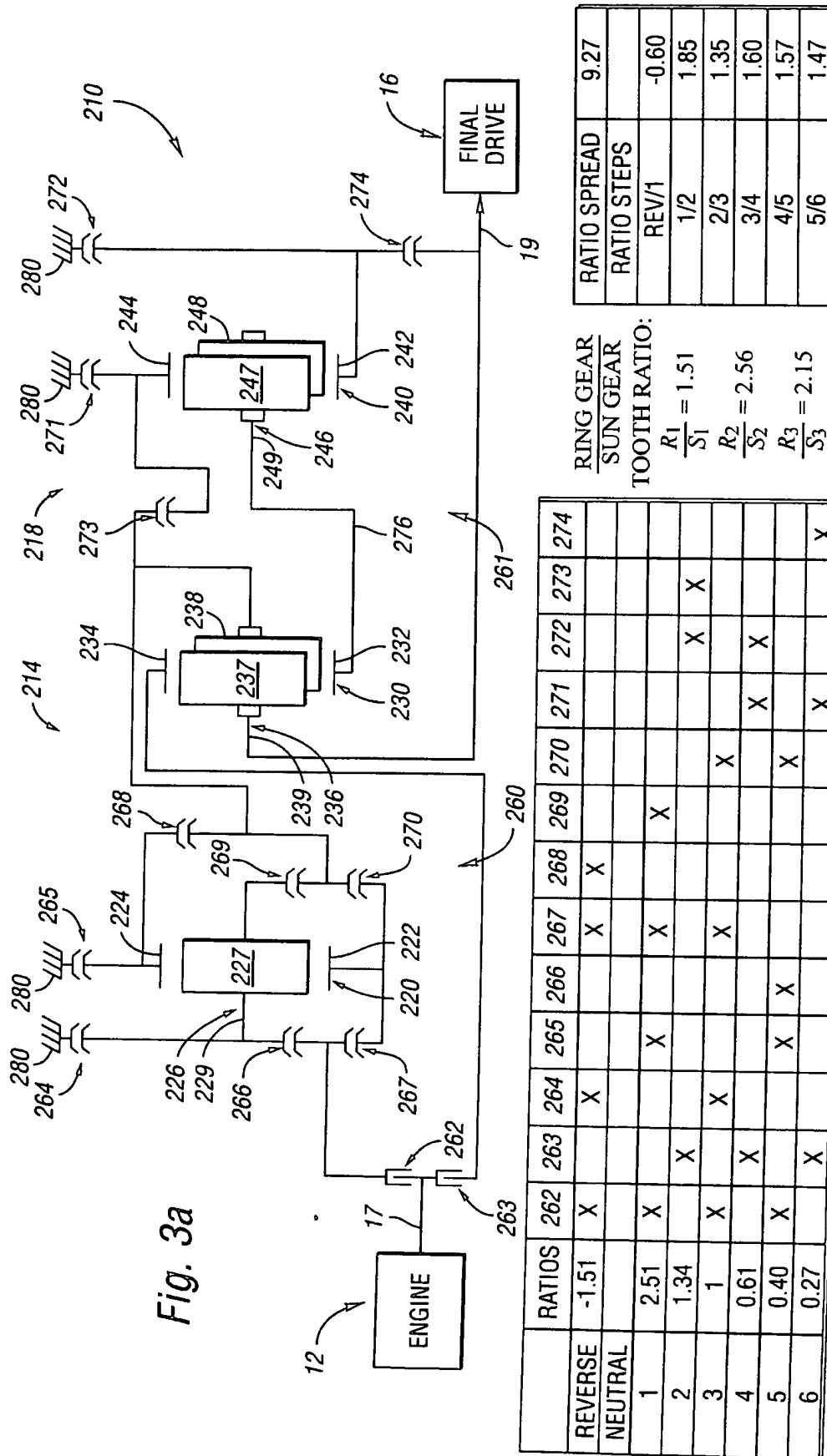
$$\frac{\text{RING GEAR}}{\text{SUN GEAR}} = \text{TOOTH RATIO:}$$

$$\frac{R_1}{\alpha} = 1.51$$

	S1	R2
1	0.00	0.00
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	0.00	0.00
8	0.00	0.00
9	0.00	0.00
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	0.00	0.00
14	0.00	0.00
15	0.00	0.00
16	0.00	0.00
17	0.00	0.00
18	0.00	0.00
19	0.00	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	0.00
23	0.00	0.00
24	0.00	0.00
25	0.00	0.00
26	0.00	0.00
27	0.00	0.00
28	0.00	0.00
29	0.00	0.00
30	0.00	0.00
31	0.00	0.00
32	0.00	0.00
33	0.00	0.00
34	0.00	0.00
35	0.00	0.00
36	0.00	0.00
37	0.00	0.00
38	0.00	0.00
39	0.00	0.00
40	0.00	0.00
41	0.00	0.00
42	0.00	0.00
43	0.00	0.00
44	0.00	0.00
45	0.00	0.00
46	0.00	0.00
47	0.00	0.00
48	0.00	0.00
49	0.00	0.00
50	0.00	0.00
51	0.00	0.00
52	0.00	0.00
53	0.00	0.00
54	0.00	0.00
55	0.00	0.00
56	0.00	0.00
57	0.00	0.00
58	0.00	0.00
59	0.00	0.00
60	0.00	0.00
61	0.00	0.00
62	0.00	0.00
63	0.00	0.00
64	0.00	0.00
65	0.00	0.00
66	0.00	0.00
67	0.00	0.00
68	0.00	0.00
69	0.00	0.00
70	0.00	0.00
71	0.00	0.00
72	0.00	0.00
73	0.00	0.00
74	0.00	0.00
75	0.00	0.00
76	0.00	0.00
77	0.00	0.00
78	0.00	0.00
79	0.00	0.00
80	0.00	0.00
81	0.00	0.00
82	0.00	0.00
83	0.00	0.00
84	0.00	0.00
85	0.00	0.00
86	0.00	0.00
87	0.00	0.00
88	0.00	0.00
89	0.00	0.00
90	0.00	0.00
91	0.00	0.00
92	0.00	0.00
93	0.00	0.00
94	0.00	0.00
95	0.00	0.00
96	0.00	0.00
97	0.00	0.00
98	0.00	0.00
99	0.00	0.00
100	0.00	0.00

$$\frac{S_2}{S_1} = 2.66$$

3/12



4/12

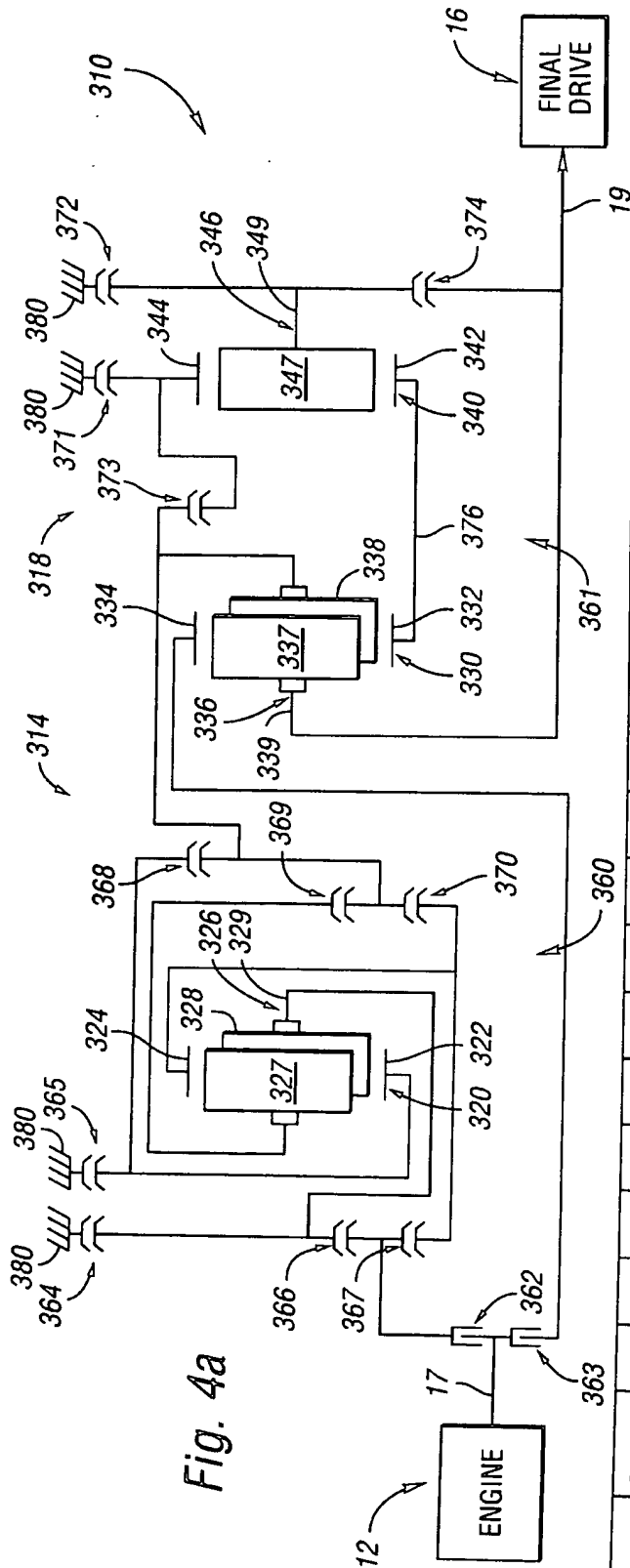


Fig. 4a

	RATIOS	362	363	364	365	366	367	368	369	370	371	372	373	374
REVERSE	-1.19		X									X	X	
NEUTRAL														
1	2.64		X								X			
2	1.51	X												
3	1		X		X									
4	0.66	X										X	X	
5	0.45		X						X					
6	0.34	X		X			X	X			X	X		

(X = ENGAGED CLUTCH)

RING GEAR  
SUN GEAR  
TOOTH RATIO:

$$\frac{R_1}{S_1} = 2.98$$

$$\frac{R_2}{S_2} = 1.82$$

$$\frac{R_3}{S_3} = 2.99$$

RATIO SPREAD	7.88
RATIO STEPS	
REV/1	-0.45
1/2	1.76
2/3	1.51
3/4	1.51
4/5	1.47
5/6	1.34

Fig. 4b

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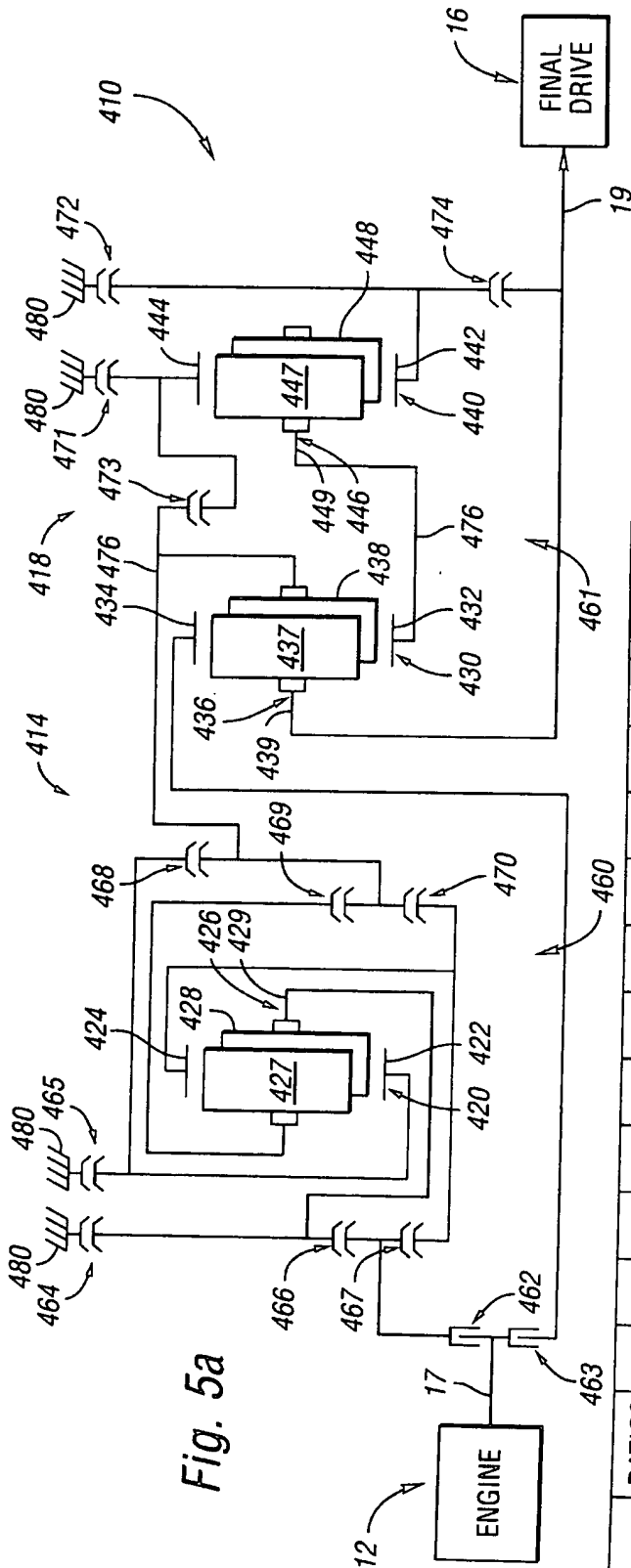


Fig. 5a

	RATIOS	462	463	464	465	466	467	468	469	470	471	472	473	474
REVERSE	-0.70		X								X			X
NEUTRAL														
1	2.12		X									X		
2	1.51	X							X					
3	1		X		X									
4	0.66	X				X					X		X	
5	0.42		X								X	X		
6	0.34	X		X			X	X						

(X = ENGAGED CLUTCH)

RING GEAR  
SUN GEAR  
TOOTH RATIO:

$$\frac{R_1}{S_1} = 2.98$$

$$\frac{R_2}{S_2} = 1.72$$

$$\frac{R_3}{S_3} = 1.52$$

RATIO SPREAD	6.32
RATIO STEPS	
REV/1	-0.33
1/2	1.41
2/3	1.51
3/4	1.51
4/5	1.59
5/6	1.24

Fig. 5b

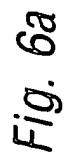
(X = ENGAGED CLUTCH)

Fig. 6b

**TOOTH RATIO:**

$\frac{R_1}{S_1} = 1.51$	$\frac{R_2}{S_2} = 2.04$	$\frac{R_3}{S_3} = 1.79$
--------------------------	--------------------------	--------------------------

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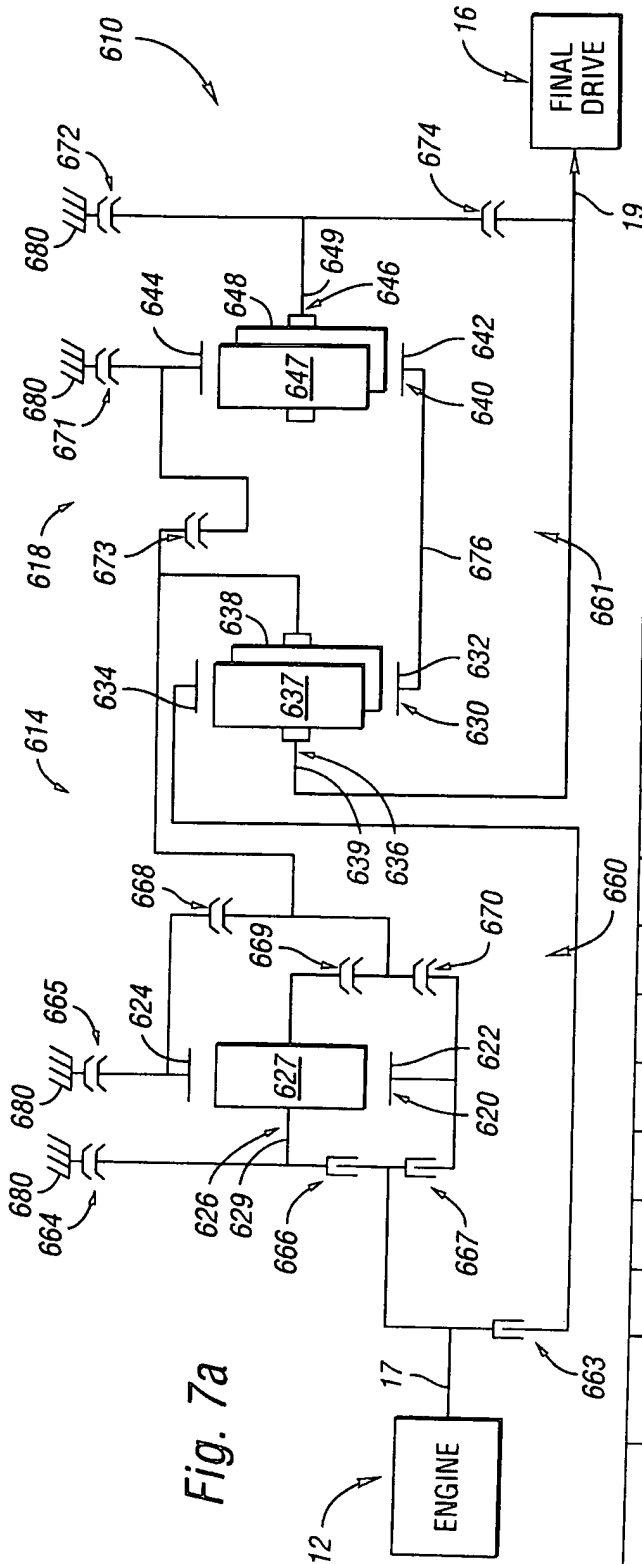


Fig. 7a

RATIO SPREAD	9.27
RATIO STEPS	
REV/1	-0.60
1/2	1.85
2/3	1.35
3/4	1.60
4/5	1.57
5/6	1.47

RING GEAR  
SUN GEAR  
TOOTH RATIO:

$$\frac{R_1}{S_1} = 1.51$$

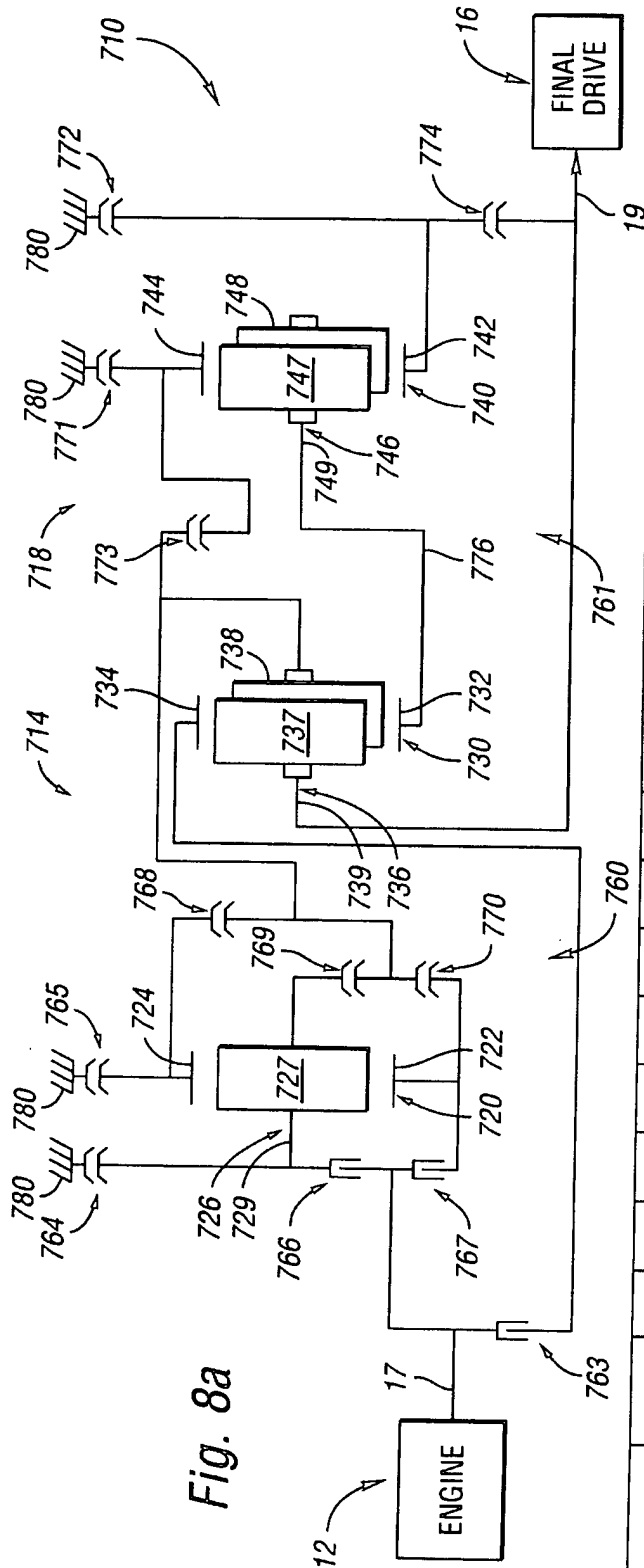
$$\frac{R_2}{S_2} = 2.66$$

$$\frac{R_3}{S_3} = 1.94$$

	RATIOS	663	666	667	664	665	668	669	670	671	672	673	674
REVERSE	-1.51			X	X		X						
NEUTRAL													
1	2.51			X		X		X					
2	1.35	X									X		
3	1			X	X				X				
4	0.62	X								X	X		
5	0.40		X						X				
6	0.27	X								X		X	

(X = ENGAGED CLUTCH)

Fig. 7b



**Fig. 8a**

	RATIOS	763	766	767	764	765	768	769	770	771	772	773	774
REVERSE	-1.51			X	X		X						
NEUTRAL													
1	2.51			X		X		X					
2	1.34	X									X		
3	1			X	X				X			X	
4	0.61	X								X	X		
5	0.40		X			X			X				
6	0.27	X								X			X

(X = ENGAGED CLUTCH)

Fig. 8b

RATIO SPREAD	9.27
RATIO STEPS	
REV/1	-0.60
1/2	1.85
2/3	1.35
3/4	1.60
4/5	1.57
5/6	1.47

$$\frac{\text{RING GEAR}}{\text{SUN GEAR}} = \text{TOOTH RATIO:}$$

$$\frac{R_1}{\sigma} = 1.51$$

	S1	R2
1	0.00	0.00
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	0.00	0.00
8	0.00	0.00
9	0.00	0.00
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	0.00	0.00
14	0.00	0.00
15	0.00	0.00
16	0.00	0.00
17	0.00	0.00
18	0.00	0.00
19	0.00	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	0.00
23	0.00	0.00
24	0.00	0.00
25	0.00	0.00
26	0.00	0.00
27	0.00	0.00
28	0.00	0.00
29	0.00	0.00
30	0.00	0.00
31	0.00	0.00
32	0.00	0.00
33	0.00	0.00
34	0.00	0.00
35	0.00	0.00
36	0.00	0.00
37	0.00	0.00
38	0.00	0.00
39	0.00	0.00
40	0.00	0.00
41	0.00	0.00
42	0.00	0.00
43	0.00	0.00
44	0.00	0.00
45	0.00	0.00
46	0.00	0.00
47	0.00	0.00
48	0.00	0.00
49	0.00	0.00
50	0.00	0.00
51	0.00	0.00
52	0.00	0.00
53	0.00	0.00
54	0.00	0.00
55	0.00	0.00
56	0.00	0.00
57	0.00	0.00
58	0.00	0.00
59	0.00	0.00
60	0.00	0.00
61	0.00	0.00
62	0.00	0.00
63	0.00	0.00
64	0.00	0.00
65	0.00	0.00
66	0.00	0.00
67	0.00	0.00
68	0.00	0.00
69	0.00	0.00
70	0.00	0.00
71	0.00	0.00
72	0.00	0.00
73	0.00	0.00
74	0.00	0.00
75	0.00	0.00
76	0.00	0.00
77	0.00	0.00
78	0.00	0.00
79	0.00	0.00
80	0.00	0.00
81	0.00	0.00
82	0.00	0.00
83	0.00	0.00
84	0.00	0.00
85	0.00	0.00
86	0.00	0.00
87	0.00	0.00
88	0.00	0.00
89	0.00	0.00
90	0.00	0.00
91	0.00	0.00
92	0.00	0.00
93	0.00	0.00
94	0.00	0.00
95	0.00	0.00
96	0.00	0.00
97	0.00	0.00
98	0.00	0.00
99	0.00	0.00
100	0.00	0.00

$$\frac{S_2}{S_2} = 2.56$$



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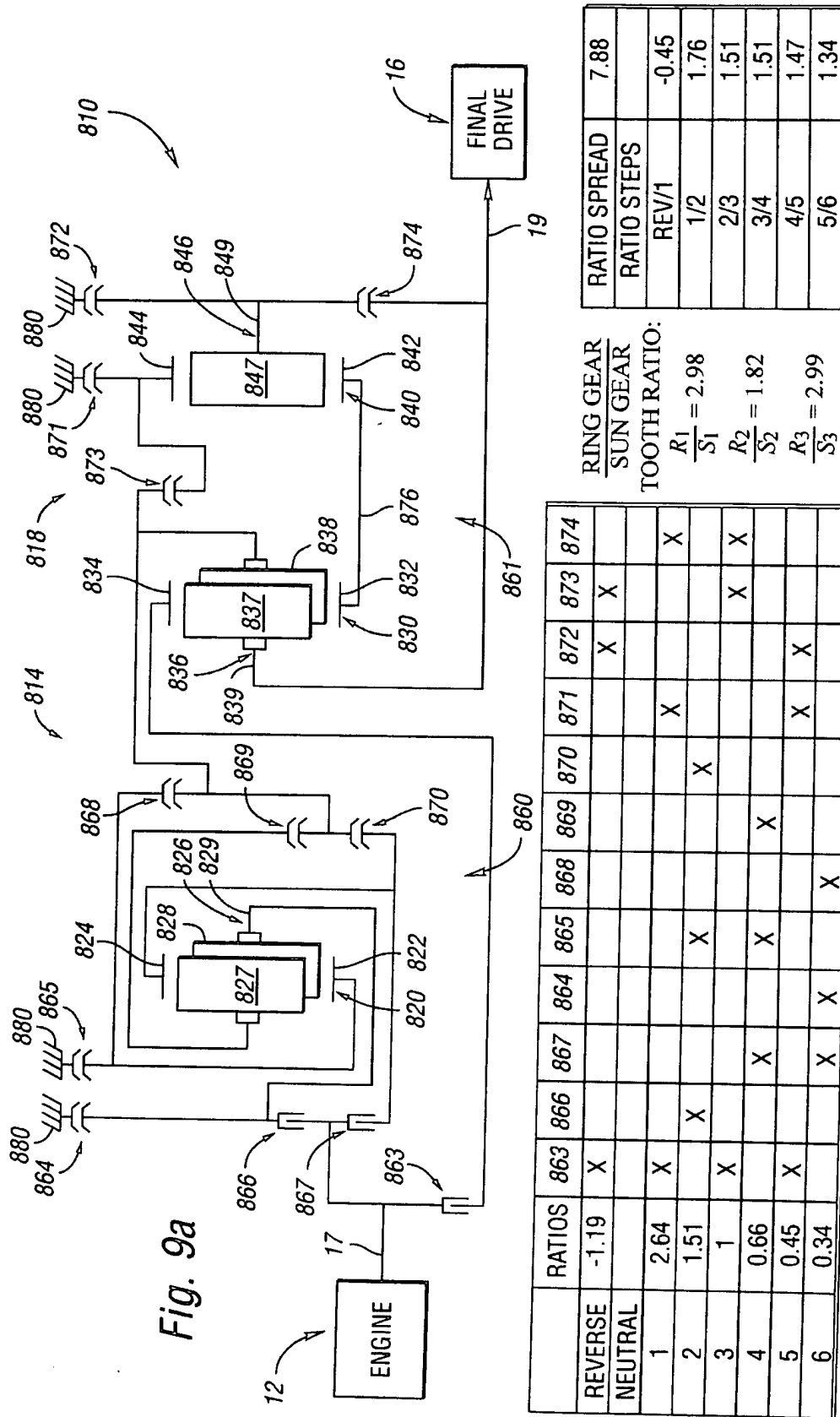


Fig. 9b

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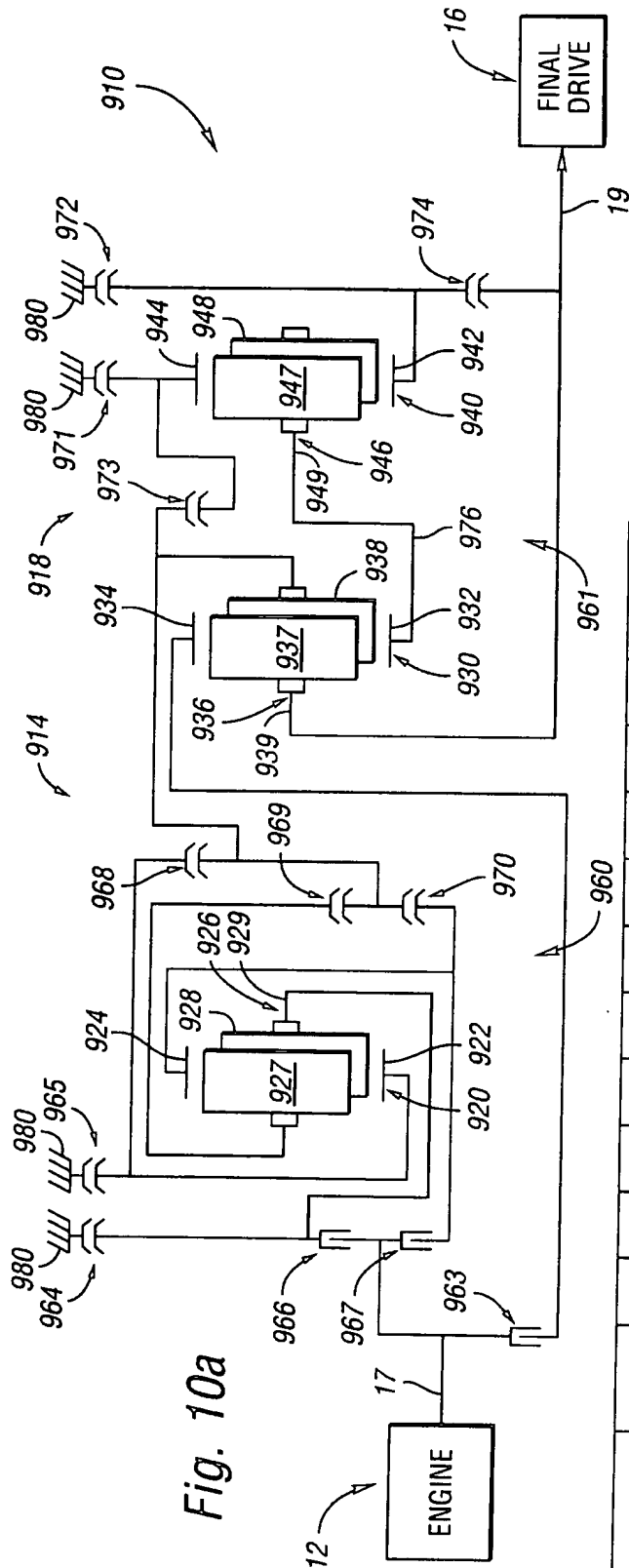


Fig. 10a

	RATIOS	963	966	967	964	965	968	969	970	971	972	973	974
REVERSE	-0.70	X								X			X
NEUTRAL													
1	2.12	X									X		
2	1.51		X						X				
3	1	X										X	
4	0.66			X									
5	0.42	X								X	X		
6	0.32			X	X		X						

(X = ENGAGED CLUTCH)

RING GEAR  
SUN GEAR  
TOOTH RATIO:

$$\frac{R_1}{S_1} = 2.98$$

$$\frac{R_2}{S_2} = 1.72$$

$$\frac{R_3}{S_3} = 1.52$$

RATIO SPREAD	6.32
RATIO STEPS	
REV/1	-0.33
1/2	1.41
2/3	1.51
3/4	1.51
4/5	1.59
5/6	1.24

Fig. 10b

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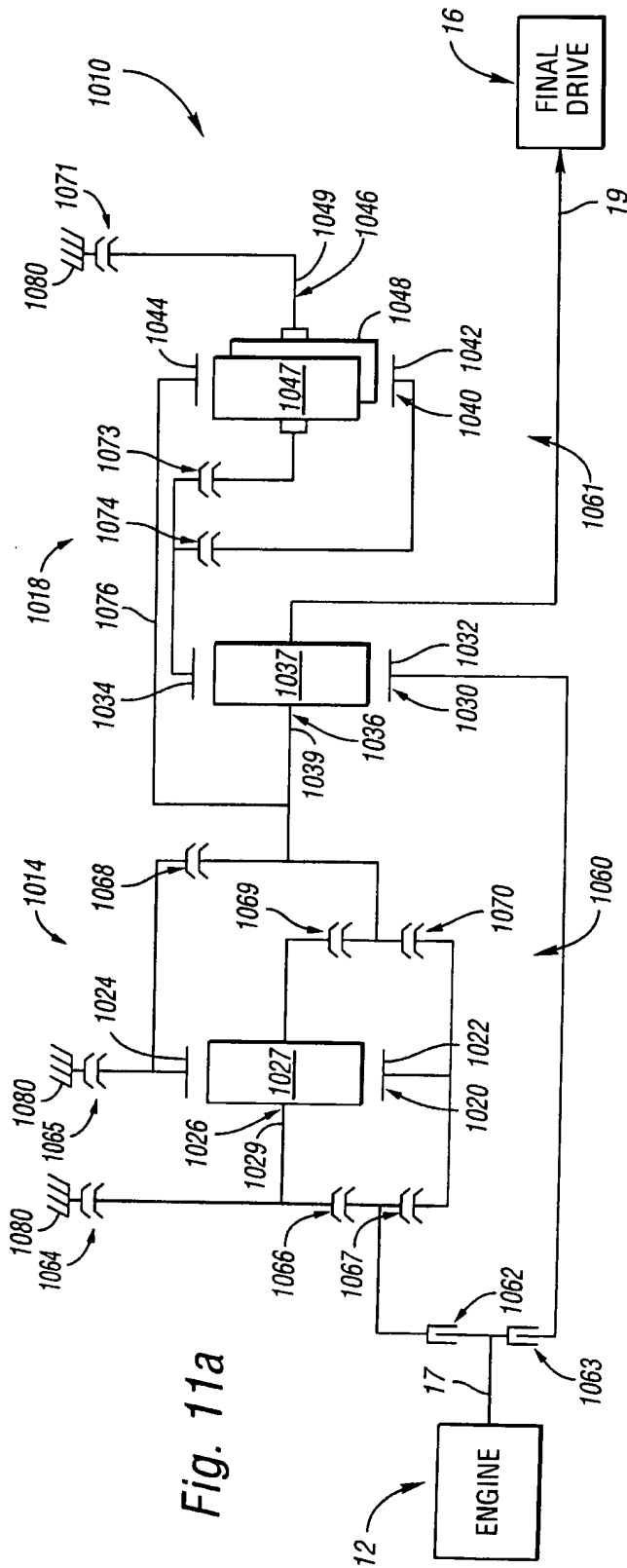


Fig. 11a

	RATIOS	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1073	1074
REVERSE	-1.51	X		X			X	X					
NEUTRAL													
1	2.51	X			X		X		X				
2	1.49		X							X	X		
3	1	X		X			X						
4	0.61		X							X	X	X	
5	0.40	X			X	X				X			

RING GEAR  
SUN GEAR  
TOOTH RATIO:

$$\frac{R_1}{S_1} = 1.51$$

$$\frac{R_2}{S_2} = 2.04$$

$$\frac{R_3}{S_3} = 1.79$$

RATIO SPREAD	6.28
RATIO STEPS	
REV/1	-0.60
1/2	1.68
2/3	1.49
3/4	1.63
4/5	1.54

Fig. 11b

